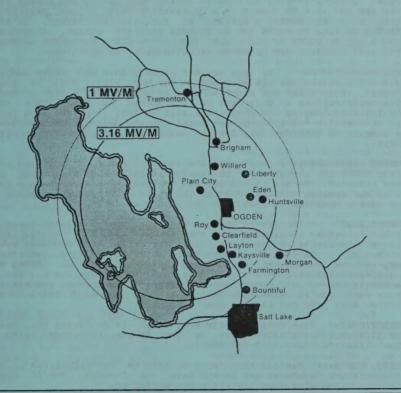
Vhi-UhiDIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1993



KJQN, FM - OGDEN SGS BROADCASTING OF UTAH INC.





Nashville

CONVENTION NEWS UPDATE

DATES: FRIDAY, SATURDAY AND SUNDAY; JULY 23, 24 and 25.

GENERAL INFO: Although this is being written just a few days after you received your May VUD, several members have already responded. All those we've heard from so far will be staying at the Convention HQ hotel. It's always risky to estimate attendance, but an educated guess at this early date puts the tally at about 30...give or take a few.

HOTEL INFO: As mentioned previously, the Days Inn Central will be our host hotel. As you read this you'll still have a few days to lock in a reservation at the \$45 room rate (up to four per room for the same price). After June 15 you may be subject to a higher rate or non-availability of rooms. To make last minute reservations call toll free: 1-800-251-3038. Be sure to menton "DX" to get the quoted rate. IF YOU ARE NOT ABLE TO COMMIT TO A RESERVATION PRIOR TO THE DEADLINE THERE MAY STILL BE ROOMS AVAILABLE AT THE DAYS INN CENTRAL. IF NOT, THEY SHOULD BE ABLE TO REFER YOU TO ANOTHER FACILITY NEARBY. ALTHOUGH THERE ARE A LOT OF ROOMS IN NASHVILLE, YOUR HOSTS DON'T RECOMMEND WAITING UNTIL THE LAST MINUTE. YOU MIGHT BE INCONVENIENCED BY DELAYING.

PRE-REGISTRATION: If you haven't already done so, please complete the pre-registration form (centerfold of the May VUD). Even if you can't commit...but THINK you might be able to attend...we'd like to know. \$25 pre-registrations by mail must be postmarked no later than July 15. Registration during the convention will be \$30. [The fee pays for rental of the entire 9th floor of the hotel for the duration of the Convention, a banquet on Saturday July 24, and snacks and soft drinks for all three days.]

GUEST SPEAKER(S): Mr. Aaron Shelton, retired Chief Engineer of WSM-tv (now WSMV) has accepted our invitation to talk about the early days of the industry. We are in the process of finalizing arrangements to obtain a second speaker who will discuss the state of broadcasting today as well as take a speculative look into the future of FM and TV.

UNDECIDED?: We'd like to suggest that you re-read all the pre-publicity for this event...beginning with the February 1993 VUD. You'll find that there are plenty of reasons to visit Nashville. But the best reason for attending is the fact that there'll be other DXers here...sharing their experiences and knowhow...shooting the breeze about DX...DXing with the equipment that will be available for convention-goers...etc., etc.! It's a DXer's heaven! If you've never attended a Convention, you simply don't know what you're missing! What more can we say? Still undecided? Follow that urge and sign up now!

QUESTIONS?: Just call or write Doug Smith, 14 Brookside Ct., Nashville, TN 37209-4503 (615-356-8305); or Tom Bryant, 849 Todd Preis Drive, Nashville, TN 37221 (615-646-2000).

NEXT MONTH: Just in time for your trip to "Music City USA"...detailed instructions on how to get to the Days Inn Central. You'll appreciate the convenience of your Nashville Convention HQ.

TV News

Doug Smith 14 Brookside Court Nashville, TN 37209



615-356-8305 CIS 72777,3143

Abbreviations used in this column: ERP= Effective Radiated Power,

in kilowatts

HAAT= Height Above Average

Terrain, in meters
AAT= Above Average Terrain

AG= Above Ground
ASL= Above Sea Level

nc= no change TL= Transmitter (and tower)

Location

CP= Construction Permit

MP= Modification Permit (modification of CP)

*= Non-commercial CRTC= Canadian Radio-TV

DBS= Commission
Direct Broadcast

Satellite

APPLICATIONS TO CHANGE EXISTING STATIONS

<u>St Ch ERP HAAT Call City</u> AR 26 500 238 KRZB-TV Hot Sprs. (was 245kW/287m)

PR 11 316 346 WLII Caguas (was 200kW/360m)

PR 9 182 837 WSUR-TV Ponce (was 58.9kW/846m)

CHANGES GRANTED TO EXISTING STATIONS

St Ch ERP HAAT Call City
CO 8 233 728 KTSC Pueblo
(TL:38°44'41"N, 104°51'38"W
Cheyenne Mountain, home of
KKTV-11 and KRDO-13.
Was 316kW/372m.)

CHANGES TO THE TABLE OF ALLOCATIONS

Albion, NE: delete 8 add 18

Lincoln, NE: add 8
Fredericksted, VI: add 66

STATION BACK ON THE AIR

WNTZ-48 Natchez, MS; seen by Jeff Kruszka in late April with Fox programming. This may be a satellite of KADN-15.

NEW STATIONS ON THE AIR

Williamsport, PA: WILF 53-: 12.2kW, 222m AAT TL 41°11'57"N, 77°07'38"W Roughly 8km NW of downtown Williamsport.

> Calls noticed by Dave Nieman on WOLF/WWLF ID in early May. Fox affiliate, satellite of WOLF-38 Scranton.

Chippewa Falls, WI: WEUX 48z: 60.3kW, 98m AAT TL 44°52'36"N, 91°18'22"W Just east of Chippewa Falls, about 12km NE of Eau Claire.

Seen by Jeff Kadet on March 28. Fox affiliate, satellite of WLAX-25 La Crosse.

OTHER STUFF

Wow, some real live classified legals! AM will probably be getting a lot more FCC attention over the next few months, as applications are now being accepted for 1600-1700kHz stations, but it looks like the upholding of the must-carry rules will spur some TV activity too.

The Nebraska changes above reflect the move of KCAN-8 from Albion to Lincoln. While I haven't seen anything official, I'd think a change of tower location will also be required as KCAN's current site near Columbus doesn't put a Grade A signal into Lincoln.

A commission appeal for extra funding to enforce the Cable Act has been denied by Congress.

Multiple cable system owner TCI has threatened to drop ABC/CBS/NBC affiliates if they continue to insist on high retransmission-consent payments. They claim a customer survey shows that subscribers support their position— showing that 57% of subscribers say cable systems should drop network affiliates if consent payments required an increase in rates. But the same survey showed that 59% would cancel their subscription if one or more networks weren't carried.

The "Vertical Interval Reference" signal, formerly used to allow TVs to automatically adjust color, has been obsoleted. The Commission has agreed to allow stations to use Line 19, formerly used for the "VIR", to transmit the new ghost-cancelling reference signal. Stations which use the VIR

signal internally (often, for "on the fly" transmitter adjustments) may move it to some other line between 10 and 16. Also, stations may now use Line 21, previously available only for closed—captioning, to transmit other data signals. Closed—captioning continues to take precedence; any other data use that would interfere with captioning is not permitted.

(see TECHNICAL PRIMER for more info on the "VIR")

U.S. District Court in Las Vegas has reversed a FCC decision to fine KVBC-3 Las Vegas and KRNV-4 Reno. The stations were fined for airing advertising for gambling casinos. Such ads are legal in Nevada, where casinos are legal, but the Commission cited the stations because they have some coverage in parts of California and Utah, where casino advertising is not permitted. The court said it finds ".. it difficult to accept that commercials about legalized casino gambling located in Nevada pose any real danger to the public policies of California and Utah.

Commissioner Sherrie Marshall has resigned and taken a position with a Los Angeles entertainment law firm.

The Commission has proposed a number of rule changes for LPTVs. Proposals would make it easier to apply for a change in facilities or to show that terrain shielding would permit allocating a station where it wouldn't otherwise be possible. And, maybe more important to DXers, they've proposed to assign regular 4-letter callsigns rather than the letternumber combinations currently used.

As if the freeze on new TV applications wasn't bad enough (for this columnist -- or good enough for DXers!)... FCC Chairman James Quello has promised to investigate the possibility of a freeze on new FM stations. Unlike the TV freeze, which has been imposed to ensure adequate available spectrum for HDTV, the proposed FM freeze would be strictly for economic reasons, to protect existing stations from competition.

Another item that's really more radio than TV but... An uplink failure at ABC's Satellite Music Networks, a facility that provides automated satellite-fed radio programming, caused about

1,000 radio stations to go silent for five minutes on May 13.

It's rumored that Spanishlanguage network Univision is interested in buying WGBO-66 Chicago. Their current affiliate there, WCIU-26, carries only part of the Univision schedule.

Macrovision, the firm which produces the anti-copying system for rental videocassettes, has announced a system for pay-per-view cable and DBS movies.

Virtual Vision of suburban Seattle has developed an interesting new device. A five-ounce visor contains a color projection TV; the wearer sees a TV image projected in mid-air. The unit was developed as a way for people to watch TV while walking down the street or attending a live sporting event, but professional video users may also find it useful for getting unusual shots where they can't see the viewfinder.

DBS firm DirecTV has signed programming contracts with 13 popular cable services. Among others, CNN, TBS, USA, and TNN will be carried.

LPTV WATCH

W22BF AL Decatur; TBN W57BV AL Florence; TBN W67CO AL Huntsville; TBN W46BU AL Tuscaloosa; TBN K67EO AR Bentonville; KFSM-5 (CBS) K62DQ AR Fayetteville; KFSM-5 (CBS) W56CD GA Rome; WTLK-14

W28AN NC Franklin; WUNF-33 (PBS) W68BK NC Raleigh; "WAUG" educ.

W68BI VA Driver; ChA - OFF

Call St City: programming

This month courtesy of Ed Phelps and Stephen West. Note there's also a WUNF relayer on 56 (W56AG) in Franklin, NC; the two have different tower sites, and presumably serve different sides of a mountain. It's not currently known whether the Alabama TBNs are fed directly off the satellite, or via WTJP-60 Gadsden.

FORUM

Fred McCormack, St. Paul MN:

Fred has the answer to my WHBL-28 question from the April VUD- "The construction permit for WHBL-28, Sheboygan was cancelled 03/30/87 according to the 04/13/87 Addenda to Television & Cable

Factbook." He says there was no record of this station having ever gone on the air. I probably saw them testing under their CP. Fred also relayed the report of Jeff Kadet seeing WEUX-48.

Rod Luoma, Livonia, MI:

(sorry if I misspelled your last name Rod! Lost the envelope you mailed your letter in..)

Rod is with Technical
Operations at WJBK-2 Detroit. He
writes: "On April 7, 1993, WJBK-TV
ch. 2 in Detroit began broadcasting
with a new 100% solid state
transmitter built by Larcan of
Mississauga, Ontario, Canada. This
new unit was purchased as part of a
program to enable radiation of a
circularly polarized signal when
the main antenna is replaced in
June of this year."

He goes on to mention that the project will cost \$1.2million. WJBK is willing to spend that money in hopes of improving reception, not only at the 38% of Detroit-area homes that don't have cable, but on the un-cabled second and third TVs in homes that do have cable TV on their first sets. The monopole and rabbit-ears antennas frequently used by urban viewers respond better to vertically-polarized signals than to the horizontally-polarized signals broadcast by most stations.

"The technical flow of events is as follows, starting on May 24. First, the single bay standby antenna side-mounted at the 800' level will be taken down and replaced by a new Dielectric TF2CL two-bay batwing. Also the 35 year old transmission line will be replaced with new 3-1/8" hardline. After testing, we will begin broadcasting with the standby at its maximum capability of 50kW ERP. Then we can proceed with the main antenna replacement,... A gin pole side mounted to the tower near the top will be used to lift the current antenna out of its mount, swing it out, and lower it to the ground, with a winch supplying the power.

"The new Dielectric TDM-7A2, weighing 9.9 tons, will be shipped from New Jersey in two halves and welded together on site, forming a seven-bay antenna which will then be winched to the tower top, set into the mounting collar, aligned vertically and locked into position. Two transmission lines

will feed the antenna, one line powering 3 bays and the other 4 bays,... The new antenna requires 44kW of transmitter power to develop 100kW circular ERP, whereas the old RCA required 22.5kW transmitter power to provide 100kW ERP horizontal." (thus the need for a new transmitter)

"One of the two RCA TT30FL transmitters will be retained as a standby unit while the other will be sold,... One of our previous transmitters ended up going to KXMA ch.2 in Dickinson, ND some years ago."

"Well, the bottom line is that if the station gains <u>one</u> rating point as a result of this expenditure, it will pay for itself in one year! We at WJBK-TV certainly hope so."

Well, programming makes a much bigger difference than circular polarization, but... my impression, based on comparing the WISC-TV and circularly-polarized WSMV, both from receiving sites very close to the tower, is that circular polarization indeed does make a BIG difference in signal quality for nearby viewers with poor antennas. I think WJBK will be pleased with the new antennabut local DXers may not be quite so happy!

Matt Sittel, Tallahassee, FL:

Matt passed along two clippings from the April 17 Tallahassee Democrat. In one, rumors of financial trouble at the Home Shopping Network. HSN reported a \$27million loss in the quarter ending Feb. 28; a firm that lends money to some HSN clothing suppliers has suspended credit; and another firm which holds a controlling interest in HSN decided not to buy up the rest of the company's stock. HSN's president and CEO, Gerry Hogan, says the loss results from a change in marketing strategy, the company is not in trouble, and the company has returned to profitability.

Also in the financial department, WTXL-27 Tallahassee has been sold to a Virginia company, Media Venture Management. Phillips Credit Corp. of New York had attempted to foreclose on WTXL after previous owners ET Broadcasting failed to repay a 1991 loan. No changes in programming are expected.

Stephen West, Glen Mills, PA:

(Thanks for taking over ETV; looks good!)

Stephen sent a few random notes: "WTMW-14 in Arlington, VA is still testing. Ch. 68 in Driver, Va. was not on the air, and no longer listed in the Va. Beach newspapers. WVIR-29 boasts being the most powerful TV station in Virginia with five million watts. Locally the LPTV-14 in Middletown, DE is now calling itself "Family Vision" and no longer IDs with WGCB-49. WGTW-48 in Philly seems to be transmitting on Ch. 47-1/2. Ch. 63 Richmond, Va is still off the air."

The Driver LPTV is W68BI, formerly Channel America. An article in Broadcasting Magazine indicated that Channel America plans to return to the air soon whether that will actually happen is anyone's guess. The WVIR-29 item would indicate that their CP is now on; they had been 1290kW. Regarding WGTW-48, I wonder if their lower-sideband filter is screwed up? If so, I'd think WNJU-47 would be complaining! Finally, with regard to WVRN-63 in Richmond, they're no longer in my database--I believe WRLH-35 bought them & returned the channel 63 license to the FCC for cancellation.

Stephen also sent a copy of the TV section of the Raleigh, NC News & Observer for April 8. It indicates that WYDO-14 does indeed duplicate WFXI-8 for most of its broadcast schedule, but there are a few midday religious programs on WYDO while WFXI is running cartoons & dramas. Also, there's a listing for a "WAUG-68", which appears to be an educational station, with such exciting programming as "Library Management", "German 2", "Staff Development", and "Introduction to Interactive Multimedia". Presumably this is W68BK, licensed to St. Augustine's College.

Dave Sinclair, Vancouver BC:

Dave forwards ongoing coverage of the CRTC's hearings on the future of Canadian television, from the *Globe & Mail*. Largely, the debate amounts to Canadian cable systems requesting relief from rate restrictions, and permission to charge subscribers for the installation of digital-compression equipment, so they can compete with

U.S.-based direct broadcast satellites (DBS).

Several witnesses, including ones representing the Consumers Association of Canada and the Ontario provincial government, have suggested relaxing Canadian content restrictions on cable systems. The Ontario Ministry of Economic Development suggests that, when all subscribers have addressable decoders, each subscriber should receive one basic all-Canadian package of services; other services, including U.S.-based ones, would be individually available.

Another witness, the president of the Association of Television Producers and Directors, said the CRTC should give up on Canadian content regulations on private broadcasters altogether, and establish a government-owned public broadcasting service. This new service would be funded by \$1.2billion of public funds currently held by Telefilm Canada and provincial agencies, and by a \$1.7billion tax on cable TV services.

Meanwhile, a representative of one of the "deathstars", DBS executive Jim Ramo, denied that his U.S.-based DBS system would wipe out cable and Canadian broadcasting. One of his DirecTV's Canadian executives said "A new DirecTV subscriber does not equal a cable television disconnection."

Bill Nienajadly, Clifton NJ:

Two items from the NY Post.. First, Fox and multiple cable system operator TCI have agreed to start a cable entertainment channel based on Fox network programs. The channel is expected to start later this year or early in 1994.

The article doesn't say so, but I suspect this is part of Fox and TCI's answer to the new retransmission-consent regulations in the Cable Act; Fox had previously said, on behalf of its affiliates, that it would accept a second cable channel in lieu of cash payments for retransmission consent. The article does say that, out of the \$30million TCI will pay Fox for the programming, Fox will send either 7.5cents per month per subscriber, or 5 cents per month plus 25% of the channel's profit.

Also... it happened again... While workers in another room were editing a tape of a couple having sex, for an upcoming talk show, someone punched the wrong button & it got on the air... This time, WXYZ-7 Detroit was the embarrassed party. At least this time, it happened during a soap opera. As someone speculated awhile back, sooner or later this is going to happen on TBN!

TECHNICAL PRIMER: VERTICAL INTERVAL SIGNALS

In case the references to "VIR" at the head of this article are a little confusing, here's some technical information on the subject.

A television picture is formed by an electron beam moving from left to right across the screen. When the beam reaches the right edge, it snaps back to the left & moves down. When it reaches the bottom right of the screen, it not only snaps left, but also snaps back to the top.

To accomplish this, two sets of electromagnets are fastened to the neck of the picture tube. One moves the beam up & down, the other left & right. A "sawtooth" signal is fed to each magnet — this is a signal that starts at a low current, and gradually increases until the right (or bottom) edge of the screen is reached. It then snaps back to a low current to start the next line (or screen).

But you can't turn off this current instantly— instead, you have to decrease it as quickly as possible. This action causes the electron beam to move backwards across the screen, a process that could cause spurious bits of light to appear over the top of the picture. To avoid this, the FCC requires that TV stations transmit a "blacker-than-black" picture during this period.

As it turns out, the synchronizing signals used to make sure the electron beam in your TV is in step with the one in the camera are also "blacker-than-black". So, this beam-return interval is a good time to transmit these synchronizing signals.

In the early days of TV, it took a long time for sets to return the beam to the top of the picture. The FCC decided to require stations to transmit 21 lines of black at the top of each picture, thus allowing the TV 21 lines to get the beam back to the top of the screen. These 21 lines are called the "vertical synchronizing interval", or, more commonly, the "vertical interval".

Today, TVs are much better; it takes something like 10 lines to get the beam back. Rather than leave the other 11 lines blank, the FCC decided to authorize stations to transmit specific signals on these 11 lines. Some of the things transmitted include closed-captioning, teletext, ghost-cancelling signals, and even little test patterns.

By misadjusting your TV's vertical hold control, you can often see the "vertical interval". This is the black horizontal bar across your screen; you'll probably see little white lines, dashes, or multi-color patterns towards the bottom of this bar. These are the vertical interval signals.

By the way, you might ask why the horizontal interval isn't also used. Mainly, because it's so short—a small fraction of a line. Also, because small synchronizing errors, as are often introduced by videotape recorders, will frequently make the horizontal interval visible briefly. Still, it is used for the horizontal synchronizing signal, and for the "burst" used to synchronize color TVs. There had been some talk of using the horizontal interval to carry audio signals, but I believe that was found unworkable.

CONVENTION:

Tom's articles pretty much say it all. Please do send in the registration form as soon as possible. Again, if you plan to come but can't positively commit at this time, let Tom or myself know anyway; the more advance information we have, the better.

DX etc:

Some tropo enhancements, and our normal scatter is back. Some Es has been reported, and I'm certainly keeping the TV primed & ready!

73 Doug



PREPARED FOR THE VUD BY TOM BRYANT, 849 TODO PREIS DR., NASHVILLE, TN 37221. AIPA NEWSLETTER COURTESY OF WIFDAR BILL ECKBERG.

YOU'VE EVER WONDERED WHAT SORT OF FORUM TV DXers HAD BEFORE THE WTFDA WAS FOUNDED IN 1968, YOU'RE ABOUT TO FIND OUT. OUR CLUB'S PREDECESSOR WAS THE "AMERICAN IONOS-PHERIC PROPAGATION ASSOCIATION"; AND HERE'S A COPY OF THE CLUB NEWSLETTER FOR MAY 1960.

** FCC NEWS

AIPA

May 6, 1960

FCC Grants.

Ch 2 Vermillion, S.D. . 167K-.084K

Ch 2 (Ed.) State of S.D.Univ. Ch 8 Jonesboro, Ark.

Ch 9 Eugege, Ore. Ch 9 Alpena, Mich. Ch 11 Santa Fe, N. Mex.

Ch 11 Grand Isi., Neb. Ch 13 Hilo, Hawaii (Lic to KHVH-TV)

Ch 19 Kansas City, Mo. 17.8 -9.77

CALL CHANGES ETC.

WXGA-TV ch 8 Waycross, Ga.from WEGS-TV ..

WEGA-TV ch 9 Savannah, Ga. fr WXGA WFEN-TV ch 32 in Clearwater, Fla. KWCS-TV ch 18 in Ogden, Utah.

MIS'L NEWS.

Applications to FCC

Ch 12 Wilmington, Del. There are many applications in for Ch 12 in Wilmington, Del ...

Eau Claire, Wis. Ch 25

New are. KRET-TV (Ed.) Richadrson Texas, on Ch 23.

WSLA Selma, Ala on Ch8.

Changes... WGTV. ch 8 in Athens, Ga. Charleston to have a new ch 4. WTVM Columbus, Ga. ch 28 to ch 9 WBTW ch 8 in Florence, S.C. to ch 13 WRBL ch 4 Columbus, Ga. to ch 3.

WRBLATV heard here in Bflo, N.Y. via Aurora 4/29/60 on ch 3...changed from ch 4..

KLOR-TV ch 11 Provo, Utah is off the air temp-- Tech difficulties. A majority of "NOT ON AIR" UHF permitties has asked the FCC to keep their construction permits alive hoping conditions will improve in the UHF line to allow them to build. KTRX(TV) Kennewick, Wash.

has cancelled their lic.and permit.

Word from Dennis Smith is that apparently K-VUE en 40 in Sacramento,
Calif. has gone off the air. Also KFRE-TV ch 12 Fresno, Cal. 1s definately going to UHF. (word is that that area will all go UHF) Five appli's are in for ch 5 station in Edmonton, Alta. Canada. and

two in for ch 3 in Prince George, B.C. canada. A new TV station asked for in Sturgen Falls, Ont. on ch 7(Fr. Station) The Toronto Telegram, Evening Post will get the new Ch 9 there.

CFCL-TV to get a power boost 18.5-9.25 to new 100Kw- 50Kw.

Add CFCY-TV1 ch 7 in New Glasgow, N.S. Canada and CJCN-TV ch 4 in Grand Falls, N.Fld. Can.

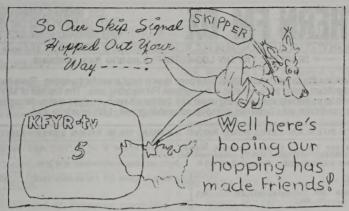
CFCF-TV ch 12 Montreal, Que. plans their start on Jan. 1961. with a

power of 325Kw- 160Kw.

KFVS-TV Cape Girardeau, Mo. has a new TV Tower being built 1,676 feet high, which is said will be the tallest man made structure in, world. Johnson, Pa. has asked FCC for another VHF there, on ch 3 or ch 8. New York8s WRCA-TV wants the call WNBC-TV returned to them.......

DX-HORIZONS has now perfected the 1st all Amperex Receiver with truly fantastic gain of a high order. starting in the July publication there will be a series of articles on complete modification details so that any DXor can injoy 300 miles reception on poor days, and almost unlimited reception on good days.

NEW MEMBER is James Hughes of Saginaw, Mich. James is with the UHF station WKNX-TV ch 57. He is also interested in FM-DX so Bryan Rawlings and Phil Jacobs will be hearing from him. Our Tom Hidley is responsable for DXer Hughes membership into the AIPA. Art Collins.



Western DX May 1960

The above verie card was sent to me a couple of years ago from KFYR-5 in Bismark, North Dakota..and I thought it was so cute and different, that I thought I'd draw it..or try to anyway..for those of you who do not as yet have one to add to your collection.

A card in from Gordon Simkin says that his other evening, was meant to mean. Last evening. or April 13... I'm only tessing you Gordon. Hope you don't mind all of this. Also logged. April 22 KFDX-3 by ms. new, and # 61 logged. KTWO-2 trops. April 24, aurora 2-13 with no ID's. April 26, KTVI-2 by Es and one texas -2. QRM-3 WSM-4 possibly. Thanks for the card.

Morris Foote from hiddleton, Idaho writes that he really got a thrill the other day...as he received a good ms on channel 13 with a RTMA type TP With of all things....no call letters. Well, cross your fingers and hope that next time, they will have a call slide on. March. 31, chs. 4-5-6 unid by aurora dx. April 1, chs. 2-3-4-5-6- by aurora dx. April 13, unid ch. 13 by ms. KARK-4 by Es /KNAC-5 by Es/unid ch. 6 by Es.

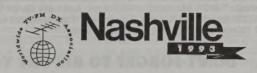
A most appreciated letter arrived from our good friend and fellow dxer...Ron Hilding of Salt Lake Cityk Utah...Ron says that he sent me his Xmes log and it should have been in the Feb. bullitin....Golly Ron, I didn't receive it at all...in fact, I can't remember the last time I heard from you...Ron reports that KPHO-5 is going on Maximum power all most anytime now..with programs from 9am Sunday thru Friday and 10:45 am on Sat...MST. Ron entered (or someone entered it for him?) his car in the Southwestern Rod and Custom show..and it won a 32" tropky. Sure am sorry about the lost loggings, Ron...hope you can write again soon.

The only DX wise news I have from up here in Washington, is....Lots and Lots of Aurora this last part of April...almost every day it seems. But today....May lst....I finially logged my first Es of the season. It only lasted about 9 minutes...but gee it was good to see again. Dear old KTWO-2 in Casper, Wyo. was on with their T.P. So I hope that this means Es will start appearing from here on in.

BEST OF DX TO ALL OF YOU IN THE COMING MONTH.

DEE JOHNSON 146 Maddock Pl. Longview, Wash.





RTHERN FM-D

GREG CONIGLIO 5100 GLENWOOD DRIVE WILLIAMSVILLE, NY 14221

Dave

T,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID, WA,OR,AK,Canada → DEADLINE: The 5th LOG-EUTOFF: 2 months from postmark JUNE 1993

Another small column this month, as conditions have been slow in most areas for the spring. There has not been any significant spring tropo reported in the northern FM reporting area. The first half of May has been slow as far as the skip season getting under way, but there have been signs of skip. No report of any FM skip heard here, yet. Trops has picked up somewhat as well. Let's hear from you!...

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 36 feet AGL on crankup tower, (826 feet ASL). Alliance HD-73 rotor and RG-11 coax. New loggings are underlined. New call (KKKK). New propagation mode <u>www.w.</u>

65

APRIL 1993 DX 6 tropo 14:14 CIRV 88.9 ON Toronto, call, es

ex. 88.7

Another good DX frequency lost.

DAVE NIEMAN - HO STA GEH - ROAD-ROCK CITY, NEW YORK

Fquipment: Carver TX 11 tuner IF filter modified. Antennacraft FM 10, at 25 feet AGL.[2415 feet ASL], Winegard FT 7600 variable FM trap for 95.7mHz; RG 4 coax and Radio Shack rotor. New loggings are underlined. New call (KKKK). New propagation mode WWW.

APRIL 1993 DX		MAY 1993 DX
4 troposcatter		2 tropo
13:24 WGLE 90.7 OH Lima, ID with		05:21 WYMK107.7 PA Tunkhannock, "Y 107.7"
WGTE 91.3, cs	308	rps, over WNUC
10 tropo	3	Wethersfield NY 128
10:00 CIRV 88.9 ON Toronto, call, es		06:03 WGGY 101.3 PA Scranton, call + "Froggy".
ex. 88.7	123	ks. ex WGBI 146
24 troposcatter	123	06:18 WKRZ 98.5 PA Wilkes Barre, "98.5 KRZ"
08:13 WAPP 105.5 VA Berryville, call, os	202	rs 148
May 1993 DX		06:23 WOHT 97.1 NY New York, "Hot 97"
1 tropo Winegard FT-7600 trap inst	alled	rs 248
03:15 WLGL 92.3 PA Riverside, "Wiggle" k	· S.	06:33 WUNS 96.3 PA Lewisburg, "U 96.3" + call
WRRN Warren PA off	116	rms 110
08:49 WNCO 101.3 OH Ashland, call, ks	217	06:55 WMRE 95.5 PA Salladasburg, call.
09:54 WOHG 106.3 PA Huntingdon, call+ "F		mrs 85
106-3", rms, WORM		07:16 WMGS 92.9 PA Scranton,
Smethport PA off	109	"Magic 93", \$ 146
		09:00 WRAK 107.9 PA Williamsport, ID, S 96
10:32 WIOV 105.1 PA Ephrata, call, ks	175	
		09:18 WEZX 106.9 PA Scranton, "Rock 107",
		local ads, rps 146

Pick up a Winegard FT.7600 2 stage variable FM trap from Rich Wertman. Installed it in line and adjusted both stages to WPIG 95.7 which is just down the road. It works good; we even had alittle morning tropo enhancement to try it out. I also got another FT.0600 trap for the TV. Since WOLN came on the air I've been having trouble DXing channels 8,9 & 10 because of herringbone This one is also adjusted to trap 95.7mHz. Dave lines.

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

Just a few notes here of station news. First off, WVAY 100.7 in VT has two new translatoes on the air that get out real well. They are W259AV-99.7 in Marlboro, VT, and W284AV 104.7 in Jamaica, VT. They 99.7 translator is 65 miles from here on Hogback Mtn. west of Brattleboro and the other is on Straton Mtn., 85 miles+. Look for these during tropo openings as I can hear them 20 mi. south of here on the north slopes of hills in the car. By the way, WVAY does ID all its translators on the hour. Killington, Vermont is now on the air on 105.3. The calls are WEBK (K105), with classic rock. WBBS-105.1 in Great Barrington, Massachusets is now relaying WAMC 90.3 with the calls WAMQ. And WDDJ 96.9 Boston has just gone country! Since WVBF-105.7 has gone country, I wonder who will survive? And WUUU 102.5 in Rome has also gone country (WKDY) (93.5 Remsen, NY has picked up the WUUU calls and the oldies format-gc) and WKGW 104.3 Utica has gone classic rock (calls itself Kicks 104.3 and IDs as Utica-Syracuse [is this a stretch or what?]) (They have taken over the 104.7 format, which just went, you guessed it, country. It is a stretch, WKGW is poor in many parts of Syracuse-gc). I did hear the WKGW ID yesterday, but may soon change (I have heard that when 104.7 changes calls, WKGW will switch to WKFM-gc). And today I heard WOOZ-94.5 Boston (call change from WZOU-gc) call itself "the new Jammin' 94.5". Only mentioned calls around the top of the hour. No real DX here to mention (yet). Hopefully Es soon.



DON'T FORGET TO REPORT YOUR DX!

	TON AVE BRANTFORD,		
Equipment: JVC JR-S201 rec. (IF		Dynalab Slueth, 205	amp, Probe 9 fed with
RG6 at 50' AGL, crown rotor, (dis	tances are in km's)		
MADCHIOOD DV	11070		

IMINOITING DIE	
25 Tr	
0728 WDCZ 102.7 NY Webster, g, legal ID 23	31
27 Tr	
0700 WGNB 89.3 MI Zeeland, g, USA RADIO 1	.~
O'TO HOLD OND IN Exciand, g, COM ICIDIO	IA.
"listener supported radio 89.3 WGNB ZG., Rpds" 30	01
28 Tr	
0800 WRDL 88.9 OH Ashland, legal ID, broad-	
	68
0900 WKTL 90.7 OH Struthers, r, polkas, Radio	
91, "Good Morning NE OH & W Pa, you're listeni	
to ETC RADIO here at 90.7 WKTL" 2	20
to DIC RADIO Here at 90.7 WK IL	JU

to ETC RADIO liefe at 90. / WRIL"	23
APRIL 1993 DX	
4 TrS/Tr	
0928 WAYZ 101.5 PA Waynesboro, country	101
Today's best country, Bruce Michaels DJ	43'
1000 WBTF 101.7 NY Attica, k, Country 101	
Batavia Downs ad (Bruce, did you hear this, or	WJE!
WBTF is still that, WJER is in Dover, Ohio-gc) 16:
5Tr	
0620 WLEW 102.1 MI Bad Axe, lite rock Crui	ise 10

0.T	under TO	loca!	CF	NY 102.1, Jon Secada	232
	WQED	89.3	PA	Pittsburgh, APR, c, cls	299
9 MS 0630	WMFE	90.7	FI.	Orlando "90.7 WMFF"	

first of many logs

	10 TrS	
	0800 WCRH 90.5 MD Williansport, g "Now	
	WCRH brings you Accu wx summary"	439
	11 Tr	
	0900 (WDNY) 93.9 NY Dansville, Lite 94 FM	
	"You're listening to Lite 94 FM WDNY Dansvill	e-
	Wayland-Hornell-Cohocton and the Genessee	
	Valley" ex: WACZ	219
	14 GW	
	0700 WCOT 90.9 NY Jamestown, g, Family I	ife
	Network, legal ID, USA news	142
I	15 MS/Trs	
	0656 WMRA 90.7 VA Harrisburg, cj, "The	
	Board in Fairfax County"	737
	0706 WMCO 90.7 OH Concorde, r, *1947 Euc	lid
	Ave in ZanesvilleEvery Thurs."	367
	16 MS April Fireballs	
	0700 WMFE 90.7 FL Orlando, FM 90 Plus	1624
	19 TrS. MS Lyrids	
	0715 WMCO 90.7 OH N.Concorde, calls 0800 WMFE 90.7 FL Orlando, in again	367
	0800 WMFE 90.7 FL Orlando, in again	1624
	20 MS Lyrids 0700 WKGC 90.7 FL Panama City, c	
	0700 WKGC 90.7 FL Panama City, c	
ı	"Panama City, a public broadcast"	1516
	21 Lyrid, MS, TrS	
ı	0645 WYFI 99.7 VA Norfolk, g, "For the Sp	
ı	Spectrum Radio Network, This is Chuck Sorsky	
-	followed by Norfolk area weather	796
į	0730 WAWZ 99.1 NJ Zarepath, calls, legal	553
į	22 MS Lyrids	-1
	0800 WMFE 90.7 FL Orlando, 2 minute MS lo 23 TrS-MS Lyrids	g:
ı	0640 WMCO 90.7 OH N. Concorde, calls	367
į	0646 WOTJ 90.7 NC Morehead City, g "Yes	it it
۱	it WOTJ, 4723 Country Club Rd"	983
ı	or well, the country cloud to	700

Spent a lot of time getting educated on the educational frequencies as you can see. Found the perfect frequency for MS. As long as 90.7 WKTL OH Struthers is not signed on. They sign on late in the morning, which gives me an opportunity to snag sporadic and shower MS. Too bad though, that not many ID's happen on a regular basis down on the educational band. Let's bring on the e skip season so I can give my dial indicator some much needed exercise. It seems to be stuck on 90.7! 73, dB

1624

BILL NIENAJADLY - PO BOX 2999 - CLIFTON, NEW JERSEY 07015-2999

March 93 (?) - during black out at World Trade Center, after the bomb blast, WNYC 93.9 was off. I logged WKXZ 93.9 NY Norwich 94 Kicks, 130 miles on car radio. During early/mid April 93, some tropo to Boston and Providence, heard bits and pieces of new 106.1 NY, 104.7 LI, and others. Did not officially log them. I passed advanced class and expect new ham calls-more later. GOODXING-Bill (Congratulations, Bill-gc)

* Thanks Dave Nieman, Saul Chernos, Matt Sittel, and dBruce Hall for sending logos! *STATION NEWS: First, some new from Texas: add KLLI 95.9 Hooks to the list of stations gone country; they are now "Thunder 95-9" and hit country format. KKTX Kilgore is now using the slogan "Classic Rock 96.1". KCUL Marshall is on: "Oldies 92.3 FM". Just the opposite has happend in Daingerfield: KWSK 106.9 is silent. Moving along, KISI 101.5 Malvern, AR is soft AC and "Y101.5". KWCK 99.9 Searcy, Ark. is country, and "Quick 99.9". Album rock station KLXQ 96.7 in Hot Springs, Ark. uses the slogan "Q96". Marshall, Michigan 104.9 has been heard back on the air. I do not know if they still have the same calls, I heard "104.9" slogan, and \$tereo country format. WYHY 107.5 Lebanon (Nashville) is still "Y107", but goes more into a rock 40 approach. WZXV 99.7 in Palmyra, NY, just east of Rochester, is on the air, with a religious format. In Pennsylvania, 101.3 in Scranton has gone country, with the calls WGGY and a "Froggy" slogan. In the same market, 97.1 Mountaintop is now WBHT, top 40, with a "Hot 97" slogan. Thanks Doug Smith, Matt Sittel, Bob Smolarek.

WILLIAM WYLLIE - 95 PECK ST. - FRANKLIN, MASSACHUSETS 02038-2217

MARCH 1993 DX 0120 WKSS 95.7 CT Hartford, ID noted in long

Disco like music "Kiss 95.7 House Mix", strong 0135 WZBG 97.3 CT Litchfield, legal ID, noted lite rock music

0209 WPKX 97.9 CT Enfield, "Back to back country hits, Springfield's 97.9", Kicks 97.9, have heard this one once before 0223 WXOB? 98.7 NH Winchester, "Oldies 98.7"

0451 WZEA 102.1 NH Hampton, good but fuzzy o/ WAQY, "Seacoast 102", softrock?, CNN news, ID "WZEA Hamptom/Newington/Newberryport"

APRIL 1993 DX

1930 WWMR 96.3 ME Rumford, ID, "the Word for Today" program, very strong 1945 WCSO 97.9 ME Portland, rock music, "All

Your Favorites" "The New Ocaan 98", \$
2020 WZEA 102.1 NH Hampton, Seacoast 102
2025 WBLM 102.9 ME Portland, Rock, "The Blimp"

ID, good signal 2034 WBEA 104.7 NY Montauk, ID "Beach 104" rock (soft?), good signal, as long as I held my hand on the antenna to block out WKPE. ID was poor but call sounded like WBEA (yep, that's right-gc)

2000 WMEA 90.1 ME Portland, fuzzy fair to weak into NPR news. List of stations with WMEA on the top of the list, not heard in some time.

Programming note: WKPE 104.7 Orleans, Mass. now has oldies. ID's as Oldies 104. ex-Cape 104. My receiver was a Realistic Modulaire 2200 radio, with the built in antenna. Help, I need address for: WZBG, WPKX, WXOB, WZEA, and WBEA. (My MSt. Journal is outdated somewhat, but I have these: WPKX, 1655 Main St. Springfield, MA 01103, and WXOB, 13 Lamson St., Keene, NH 03431. Perhaps someone has addresses for the newer stations asked about-gc)

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX9100 tuner mod with 2 180 and 2 150 khz filters, Stereo Probe 9 at 25' AGL, CAC11 and RG6 coax, ArcherRotor used, phasing with TV antenna and a "capacitor in a box" setup.

MAY 1993 DX

0817 WELL 104.9 MI Marshall, "104.9", k\$, back to the air, wonder if the same calls?

0015 WCBA 98.7 NY Coming, CBA-FM, rare 101 0016 (WSPI) 99.7 PA Mt.Carmel, calls heard, was there a change?, lite rock music
0017 (WHEN)107.9 NY Syracuse, k\$, Hot Country 108 o/phased CING, ex: WRRB, WRHP 130

12 Tr 0945 Cleveland/Akron FM's with excellent signals including 94.1, 98.1, 102.1, 105.7, 107.9 ollocals

0950 WQEL 92.7 OH Bucyrus, ads 1000 WAPQ 98.7 OH Crestline, op\$, comedy act, "The Apple" and legal ID, strong sig. 260 254 12 GW

65

2300 WZXV 99.7 NY Palmyra, g\$, legal ID great, yet ANOTHER new semi-local.

Not much DX to speak of lately. Trops have picked up a bit in May after being non-existant during this year's first four months. And I finally saw some e-skip, though none heard on FM yet. The first e-skip day this year was May 13, which brings my average opening day to May 10. Hopefully this year's skip season will be better than the last two. I am planning to be in Nashville for the convention, hope to see many of you there!

STATION NEWS: In Seattle, Wash., KPLZ 101.5 is now more of a dance approach. In Coastal North Carolina, the simulcast between WRHT 96.3 Morehead City, and WHTE 103.7 Williamston has broken up. They had previously been simulcasting a top 40 format as 'The Hot FMs''. They now reportedly will both be top 40, but in competition now. There has been a frequency switch in central New York, 102.5 in Rome, NY is now Unistar hot country, with the calls WKDY, Nearby 93.5 Remsen, NY takes up the WUUU call letters and oldies format. WKNZ 101.7 in Collins, Miss. is now classic rock. News from Louisiana: KCRL 106.7 Rayne-Lafayette was supposedly to sign on on May 1st, with a country format. Also, KLIP 105,3 Monroe is on, with an urban format, and slogan of "Hot 105.3". Moving to the east, 95.5 Jackson, which has had a slew of formats and calls recently, WLIN, WOHT, and most recently WKQB, is now WKTF, and the ever-popular country. Slogan is "Catfish Country". WSGY 100.3 Tifton, Ga, is the latest station to switch to a country format. WSKS 97.7 Sparta, Georgia is now modern rock, running parallel to station WCHZ 95.1 in the Augusta area, "Channel Z" slogan, Because of complaints from WHTZ Newark, NJ, 100.3 in suburban Philadelphia (Media) is no longer using the '7100" slogan. They have changed calls to WPLY, and are now using a Y100 slogan. KNFO 95.5 Waco, Texas has changed calls to KCKR, and now is "Kicker" as a slogan. Also, KORQ 100.7 in Abilene, Texas was to have gone to a top 40 format. Boston, which was without a country FM station for the longest time, now has two of them! WCLB 105.7 debuted a few months back, and now WDDJ 96.9 in that city has gone to a country format. WEBK 105.3 Killington, VT is on the air, with a classic rock format, and K-105 slogan. WAMC 90.3 Albany has a new relayer. WAMQ 105.1 Great Barrington, Mass. WVAY 100.7 in VT has two strong translators now: 99.7 Marlboro, and 104.7 in Jamaica. Thanks Mike Bugaj, Jerry Monroe, Kurt Richardson, and Matt Sittel.

SOUTHERN FM DX: JUNE 1993

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV.

'93 SKIP SEASON SEEMS OFF TO A SLOW START DO STAY TUNED.

MORE GULF TROP COMES IN DURING APRIL

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866 Onkyo T-4087 (IF modified--see note) FM-13 at 50 ft.

2/1 trs 1240 KMNL 98.7 TX Amarillo, aslo 93.1 and Amarillo ch 14 consistantly peaking above noise together.

3/12 trs & ms

1035 KYEZ 93.7 KS Salina, regular trs at 400 miles 1100 KSD 93.7 MO St. Louis, ID 10 sec.

burst 4/1 ms

WNTH 88.1 IL Winnetka, ID 8 sec. burst, 100 watts?

4/4 au

2130 WHWC 88.3 WI Menomonie, ID, heard several other muffled au signals, but only ID; worked IN on 144 hMz

4/13 tr

0915 KECO 96.5 OK Elk City, k, ID, in for two hours, 378 miles

4/19 ms

1030 KJJK-FM 96.5 MN Fergus Falls, ID, 12 sec. burst

Except for the very narrow duct into Elk City, OK on 4/19 which lasted several hours and excluded the more populated areas--nothing from Amarillo or OK City--tropo was almost non-existent as fast moving weather systems caused too much turbulence for inversion or ducting to form. The aurora of 4/4 was good; signal levels were full quieting level, but unreadable except for the above. My most quiet open mid-band frequency, which used to be 96.9 or 98.1--both now dominated by locals--is now 96.5. KRGI and KQSW are both regular on trs, but have only heard the slightly further away OK stations on the above date. MY UHF TN DXing station for the first time compares favorably with my FM DXing set-up which has provided 1000 mile plus tropo each of the last three years. (Well, good going, Doug. You're like a DX frontiersman out there on the Colorado front range. DB) It will be interesting to see if I receive similar long haul UHF TV? Es made an early appearance on 4/28 and 29 with many 50 mHz contacts into TX, LA, OK, AR, and LA.

The Mur peaked around 65 mHz. 13, and	good .	DX1ng.
John F. Combs N4SFS, POB 721027, Orland	o FL	32872 (407) 282-6945
1/5 Es		4/12 Tr
1831 WERN 88.3 IL Rockford, ID	1050	2158 WPAP 92.5 FL Panama City 305
1837 WERN 88.7 WI Madison	1100	2201 KQID 93.1 LA Alexandria, ID 690
1831 WERN 88.3 IL Rockford, ID 1837 WERN 88.7 WI Madison 1840 <u>KIOA</u> 93.3 IA Des Moines, ID	1150	2201 WQID 93.7 MS Biloxi 490
3/7 Tr		(Anyone else ever log "W" and "K" versions
1952 WUWF 88.1 FL Pensacola	380	of the same calls at the same time?)
1952 WFSU 88.9 FL Tallahassee	225	2230 WSNI 107.1 GA Thomasville, ID 250
1956 WTJT? 90.1 FL Crestview,g	tent	2248 KAJN 102.9 LA Crowley 695
2113 WMTM 93.9 GA Moultrie	240	2251 KHCB 105.7 TX Houston 860
2115 WRBA 95.9 FL Springfield	305	2255 KMJQ 102.1 TX Houston 860
2120 WPFM 107.9 FL Panama City	305	
2313 WTVY 95.5 AL Dothan, k, lcl ment.	315	0012 KFGI 94.7 TX Luling, ID, local ads 985
2313 WOOF 99.7 AL Dothan	315	0023 WUWF 88.1 FL Pensacola 380
2317 WRWA 88.7 AL Dothan, ID 3/10 Tr	315	0054 KMGC 106.1 LA Monroe, local ads 690 0057 WLTS 105.3 LA Slidell 520
0327 WJDX 96.3 MS Jackson, local ment.	595	0251 WKRG 99.9 AL Mobile 410
0413 KAJN 102.9 LA Crowley, "Cajun"	695	
0416 WQLS 103.9 AL Ozark, local ad	370	
0421 WLTS 105.3 LA Slidell, ID	520	0359 WBBN 95.9 MS Taylorsville, ID 540
0500 WXUS 100.5 AL Fort Rucker, ID	370	
0633 WTYX 94.7 MS Jackson local ad	595	
0633 WTYX 94.7 MS Jackson, local ad 0720 WDJR 96.9 AL Enterprise	370	1 0443 KOXI 106.5 LA New Roads TD 635
0811 WKXN 95.9 AL Greenville, ID	400	0445 WSTH 106.1 AL Alexnder City 405
0811 WKXN 95.9 AL Greenville, ID 0813 WEZL 103.5 SC Charleston	320	1 U448 WZHI 105. / AL ITOV 400
0816 WSTH 106.1 AL Alexander City	405	0457 WDJR 96.9 AL Enterprise 370
0816 WKXH 104.3 GA Alma, area ad, ex-93.9	225	0457 WDJR 96.9 AL Enterprise 370 (Log now at 367 stations)
A lew nice tropo loggings have been mac	le in	the last couple of months but they are by far
outshadowed by results on TV! Quite oft	ten, 1	I would be viewing UHF from a given market at

outshadowed by results on TV! Quite often, I would be viewing UHF from a given market at near local strength while not a peep heard from the area FMs. I seem to experience many openings that seem to ignore VHF freqs. In addition, Florida has become a highly saturated FM environment, and even normal morning/evening enhancement (let alone mega-openings) has a tendency to quickly clutter 90% of the frequencies with strong signals from Gainesville, Jax, Tampa, etc., and only DX with a bodacious signal manages to sneak through. A phasing system would help, but it's not in the budget right now (sigh). I admit that the antennas used here are modest, but they're as much as I can get in the air without violating park rules. Besides, my TV set-up isn't that much better, so I don't know. I haven't had nearly as much experience on FM as on TV, so maybe the situation is "normal" and I just expect too much. My experience with FM E-skip has been much more positive, so I eagerly await the summer skip seson! 73, JOHN.

inrec Archerts 1113A adjustable preamps. Alliance HD·73 rotor. Camara equipment: Ricoh XRM 35mm loaded with Kodak T.Max 400 ASA b&w film. More from Robert next month.

14, 1992

at 0200 CDT September

CBEFT-54 Windsor

Ontario

London

CICO18.18

MS WS

338 mile

tropo

September

14, 1992

at 0254 CDT

at 66' and V-185 VHF at 58', both

antennas

ed with

J.120 UHF

Archer

stereo VCR

Mitsubish HS-422UR

"01 vnos color set

quipment

reporter. 9" b&w,

s our

Chicago Illinois

Kramer.

Robert

RG-11 coax.

seen

245 mile

tropo

September at 0314 CDT

460 mile tropo

396 mile

tropo

Pennsylvania

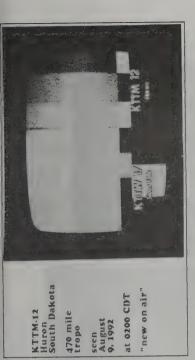
WJET-24

September 14, 1992

at 0200 CDT

WNYB.49 Buffalo

New York





1105 mile Eskip seen July 29, 1992 CKLTI-3 Florenceville New Brunswick at 0455 CDT "Atlantic TV"



August 9, 1992

at 0555 CDT "new call"

439 mile

tropo

Walker

KCCW-12

preamp at 41 feet on a Rohn tower. with RDX Labs UA 700 Equipment: Master 1110 IAN22 With UHF tuner. model CH modified page two Bill Eckberg. Channel receiver antenna Illinois. Dixon MB9

foot (UHF) dish with RDX Lahs

Master 7

Channel

know this doesn't gualify for any sort of DX record (not at 7 miles); but thought it might be of interest because so many of our members seem to be within the From Tom Bryant-Nashville Tennessee WZTV tropo range.

night (Monday morning). It's also used on all promos, and a 'moving' version of it is programming several times per hour. The motion starts along with a red line which moves to the script above the line." Thanks Tom for D on this one. FOX 29 Buffalo uses the same logo. Fox 31 Rochester is still using change in their logo. They run this between about IAM and 6AM Sunday with the circle and 17, and continues with a clockwise sweep that reveals the call, city and FOX ... (lower right corner The reason for the picture is a major left, followed by chyron promotional he DX tip; members shouldn't miss regular supered over





914 mile tropo seen September 24, 1992 at 1040 CDT KTMD-48 Galveston Texas "rare tropo duct"

the old style.



198 mile tropo seen late 1992 WKEF.22 Dayton Ohio "more kw"

is up to my employer. I also

Florence AL I'd like to see. Till next time, DAVE

Bill next month. more from

About the convention? I put in for the time; me attending have a sister down the road in



seen September 24, 1992 at 0600 CDT Longview Texas 697 mile tropo

162 HOHO



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Time for another report on the doings up
in the sky with satellites. For the first time
in a long time - there isn't much in the change
situation.
Galaxy 1 XPDR 14 - ESPN testing
Satcom 3 XPDR 19 - Flix parallel to Gl feed
         XPDR 20 - Mind Extention University parallel
                   to G5 feed
Galaxy 3 - XPDR 1 - Keystone Inspiration off this
                    XPDR noted on another on this
                    bird now (May 13) nowhere I
                    can determine.
Also on G-3 - Asian Television has been testing on
several transponders with a target date later in
the summer. This is different from TV Asia which
is on XPDR 7.
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And now a review on what satellites are up there. This list is based on reception from this location and moves from west to east. The date is the launch date 139 W - Satcom C5 - Aurora 1991 137 W - Satcom C1 - 1990 135 W - Satcom C4 - 1992 133 W - Galaxy 1 - 1983 131 W - Satcom C3 - 1992 - ASC 1 - 1985 (C and Ku) - Galaxy 5 - 1992 - G-Star 2 - ? (Ku only) 128 W - ASC 1 125 W - Galaxy 5 123 W - Telstar 303- 1985 - SBS 5 1988 (Ku only) 116.5 - Morelos 2 - 1985 (activated 1989 C and Ku) - 1982 (Ku only) inclined orbit 114.9 - Anik C3 113.5 - Morelos 1 - 1985 111.1 - Anik El - 1991 (C and Ku) (C and Ku) - 1991 (C and Ku) 107.3 - Anik E2 105 W - G-Star 4 - 1990 (Ku) 103 W - G-Star 1 - 1985 (Ku) 101 W - Spacenet 4- 1991 (C and Ku) W - Galaxy 6 - 1990 99 - 1991 (Ku) - SBS 6 97 W - SBS 2 - 1982 (Ku) inclined orbit 96 W - Telstar 301-1983 95 W - SBS 3 - 1982 (Ku) 93.5W - Galaxy 3 - 1984 - G-Star 3 - 1988 (Ku) Inclined Orbit 93 W - Galaxy 7 - 1992 (C and Ku) 91 W - Spacenet 3- 1988 (C and Ku) 87 W - Telstar 302-1984 85 W GE K1 - 1986 (Ku) - 1985 (Ku) - GE K2 81 W - Comstar 2/4-1980? Inclined orbit 76 W - Galaxy 2 - 1983 - Satcom 2 - 1983 - Spacenet 2- 1984 (C and Ku) 74 W 72 W 69 W 62 W - TDRS 3 1992 - Intelsat 513 199? (C and Ku) 53 W Intelsat 506 1982? Inclined Orbit 50 W 45 W 1988 (C and Ku) - Panamsat 1990?? (C and Ku) 41 W - TDRS 4 34.5 W- Intelsat 603 1991 (C and Ku) 31 W - Hispasat 1992 (Ku) 27.5 W- Intelsat 601 1990 (C and Ku) 24.5 W- Intelsat 605 1990 (C and Ku) 21.5 W- Intelsat K 1992 (Ku) - Intelsat 502 - Inclined 0 Inclined Orbit

CONTINUED ON PAGE 25→

EASTERN TV-DX Stephen West 26 Dougherty Blvd. G-8 Glen Mills, PA 19342-1140

(215) 358-2648

"Log DX, not trees!"

June 1993

Deadline: 5th of the Month

Due to a lag in new TV DX reports we will feature comments from Mike Reid and some equipment comparisons. The equipment listed below was tested in three locations, and observed without test equipment.

 $\frac{\text{Model}}{\text{Teknika}} \ \frac{\text{Model}}{\text{6001}} \ \frac{\text{Year}}{\text{1978}} \ \frac{\text{Output}}{\text{RF}} \ \frac{\text{Stereo}}{\text{no}} \ \frac{\text{Remote}}{\text{yes}} \ \frac{\text{Fine Tune}}{\text{yes}} \ \frac{\text{Comments}}{\text{12 ch. thumb}} \ \text{wheel}$ Teknika 6001 1978 RF only no yes yes 12 ch. thumb wheel primitive tuning like the first VCR tuners.

Teknika 6401 1983 RF only no yes yes 83 ch. w/station search that goes up or down channel to the next channel with a signal. Teknika 6510 1985 RF & AV * yes no 83 ch. w/2 VHF ant input one cable and one off air (w/FRED) (both cover ch. 2 to 13 Teknika TVC-22 1986 RF & AV Yes no yes no up or down ch. button so each channel has to be put in separately (eg. 2-5, 2-6) (overloads easily) Zenith 21" 1971 B & W no no yes tube set with a round 70 channel clicker type UHF tuner. Selectivity bad and -14 ch. image bad. Zenith 19" 1981 RF no no yes Solid State set with a 70 channel clicker type UHF tuner. -14 channel image bad. NEC 20" 1988 RF & audio yes yes no emphasis on dark snow (noise) so weak signals look less snowy due to circuitry (noise) so weak signals look less snowy due to circuitry _ _ _ _ _

Also tested were a 1983 19" Zenith color set with manual electronic tuner (with a ten number key pad on the set) and a Pioneer TVX-9500 tv audio receiver but they worked so poorly they were not included in the comparisons. Most of the equipment listed for over \$200. each new, but were bought

at Ham-Fests and used electronics stores for less than \$50. each.

The best reception of weak signals was the 1971 B & W Zenith TV. The 19" Zenith color TV set and the TVC were a close second. (The TVC-22 was the best tuner for recording weak signals.) The Teknika 6510 and 6401 were in third place. The Teknika 6001 had the audio in clear with a snowy picture, then when it was tuned to the best video signal the audio was out of tune. The NEC 20" color TV with auto tune locks on frequency slightly above the channel so only a signal in color looks clear. Pictures of half snow-free signals were similar on most of the equipment.

One trick to get a good B & W picture on a weak signal on the TVC-22 and 6510 is to use audio out for audio and RF out on channel 3 or 4 of your VCR, then fine tune the VCR (if you can fine tune your model VCR) slightly down in frequency to get the peak B & W signal. When DX is strong enough for color, tune up in frequency for the best color signal or plug in the

video out of the Teknika to the video input of the VCR.

The audio IF (41 megahertz) is extracted from the '71 Zenith B & W
TV with a wire near the circuit board of the TV going to an antenna jack
of a tunable lo band police receiver. (Guardian 7000 by Lafayette) This enables clear audio reception of signals at a weak frame bar signal level. The audio sensitivity was compared to the Icom R-7000. The audio was similar with the Icom in the wide mode. With the Icom in the narrow mode the Icom is much more sensitive than the IF extracted Zenith audio. The Icom (with the Icom video adapter) had the common problem of detuned video when the audio peaked, and the audio suffered when the video was peaked.

The Icom was able to detect audio before any sign of video was present. The audio offsets: .75 for 0, .74 for - and .76 for + would bring in three separate distinct audio signals from each scatter signal TV channel. On channels with local stations, the Icom could not bring in audio on separate offsets, but if a local had noticable CCI then you could probably get audio from the DX station. An exception to this is Es when audio from a DX station can be strong when there is no sign of video CCI .

Bill Neinajadly P.O. Box 2999, Clifton, N.J. 07015 N2QJJ/AA

April 1993

9 tr 2200 WMHT-17 NY (160) 26 GW 1800 WMBC-63 NJ (40) New on air!

Bill Neinajadly (continued)

Equipment: Radio Shack Deluxe UHF yagi, AC-4990 amp, rotor, cheap TV

with video jukebox in snow free at times. W17AC NYC (WPIX) has been of the air for some time now enabling me to get WMHT-17. WMBC-63 from Newton, N.J. is very ghosty even at only 40 miles.

Mike Reid, 1408-65 Spring Garden Ave., North York, ON M2N-649

Equipment: Zenith 19" B&W, Icom R-7000 receiver, two-bay antenna at 105' above ground, Winegard AC-4990 amp.

Comments: (from fall of '92) A trops season that keeps you on your toes! A lot of unusual paths opened up this fall. Over the August to October stretch, I received about 3/4th of the NJ station even seen. I never heard of a Rhode Island to Toronto path before. It was nice of CBLFT to be on reduced power for much of this period. I was able to dig out the audio signals of several stations on channel 26 with the Icom. Unfortunately, the FM stations on the CN tower (Toronto) were down on 10/23 which I missed completely. It is rare that this happens when trops are present. (Murphy's DX Law) My Icom developed a problem and does not operate in several frequency ranges. I can only DX on channels 21 to 61, so I missed some DX. I tested QSL waters with four attempts and got four replies! Do the NJ Network stations always have that "NJN" on the screen? (Yes, whenever I view channel 23. I am sorry I had to edit your loggings last month but there was over 150 stations and the report was not typed. I reported the highlights but with no milage listed I could not determine which were the best catches unless they were new. SW)

Stephen West, 26 Dougherty Blvd. G-8, Glen Mills, PA 19342 N3FYO

Equipment: 4 bay UHF antenna (indoors) with a Winegard PA-4975 amp. at 20 \overline{AGL} and $\overline{400}'$ ASL.

April '	93 Nags Head	, NC	May	193	Gle	n Mills,	PA	
4-9 tr	0730 WEBA-14	SC (371)	5-9	tr	0300	WYDO-14	NC	(Fox)
	0800 WCES-20	GA (412)			0400	WLFL-22	NC	
	WNTV-29	SC (376)				WRDC-28	NC	(340)
	0830 WNEH-38	SC (378)				WZBN-25	NJ	(45)

Comments: Good tropo for several days in May, with a new one in New Jersey adding CCI to channel 25 regularly now. They are broadcasting "ALL NEWS CHANNEL" 24 hours a day from Mercer County, NJ. I received a channel 35 with Family Net progaming giving CCI to WRLK-35. This could have been Hazelton, PA (W35AT) as Scranton was in strong. WTXX channel 20 is now Home Shopping 24 hours a day. Channel 53 in Atlantic City, NJ is now stronger, probably running a few kilowatts now. They are still "Channel America". I had a tenative WMBC-63 with ethnic programing during this period. WZBN-25 does not come in without tropo.

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

WESTERN TV-DX

Fred McCormack PO Box 65666 St. Paul MN 55165-0666

(612) 735-6860

June 1993

Deadline: 07-08-93 Cut-off: 04-01-93

New Mode_ _ Tent. - t Unidentified - unid S/On - + S/off - = New ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - & MTS Stereo - \$ Parallel Programming - //

YN Yucatan TA Tamaulipas

Michael Parks, Route 1, Box 103, Amery WI 54001

CST

Equipment:

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

February 1993 15 gw 2105 WEUX 48 WI 56

March 1993

27 tr 2106 Chicago UHFs

WYIN 56 IN 372 WNDU 16 IN 402

WEUX-48, Chippewa Falls, is a glorified translator of WLAX-25, La Crosse. Their supposed 60 KW at 320 feet doesn't get out very well. Reception here is quite poor and is significantly weaker than equidistant K53CH, St. Paul (1.8 KW at 700 plus feet).

Many thanks to Bill Hepburn for IDing some of the Canadian stations mentioned in my last report. The two "Radio-Canada" CBVT-11 repeaters on channel 2 were

CJBRT, Rimouski, and CBGAT14, Carleton (both Quebec). The Ottawa test pattern on channel 3 was most likely CBOT6, Pembroke, Ontario. 73, Mike

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:

1966 Zenith b&w receiver ch 14N22, modified UHF tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish at 52'. RDX Labs UA700 and UA900 preamplifier respectively. Jerrold CAC11 cable.

March 1993		27 tr 0240	WOIO 19 OH	401 28	tr 0350	WMTU	16 TN	419
27 tr 0030	WOAC 67 OH 417	0400	WPGH 53 PA	491	0435	WEMT	30 TN	451
0230	CIII22 22 ON 360	0500	CIII41 41 ON	525				
0235	WKBN 27 OH 450	28 tr 0345	KTEJ 19 AR	409				

I saw snow free video of WLAX-25 to the northwest on channel 15. Could this be the WYIN-24 channel 14 translator at Decorah, Iowa off frequency?

I saw the Global ID on channel 22 all night on March 27. Wasn't Global 41 in Uxbridge formerly channel 22? I have no listing on this although it has been reported often.

(I don't have the history of these Global changes handy, but I believe the current situation is that channel 41 broadcasts from the CN Tower in Toronto (43-38-33 N $\,$ 79-23-15 W) and channel 22 broadcasts from a site south of near midway between Windsor and Chatham (42-03-41 N 82-29-05 W). FCC microfiche and Television Factbook identify channel 22s city of license as Stevenson. fm)

Jeff Kadet, Hotel Vijoya, Puri, India

IST

Equipment:

TV: Nelco Maestro; ANT: 5 element yagi (ch 14-20?) up 50' overlooking Sea of Bengal.

02/22 Es 1950 unids - two channels on low band (possibly 3).

2039 unid - (channel unknown, probably E-2); VISA card ad in Arabic portraying three sheiks with white headdresses.

gw 2100 local Doordarshan outlet here on UHF (on low part of band judging how antenna is cut).

Western TV-DX

Jeff Kadet (continued)

02/23 Es 1250 unid - round test pattern almost exactly like the Phillips "Montreal" test pattern seen all the time on Es, except it said something else (couldn't read it).

I spent two months this winter traveling around the northern part of India. I watched lots of TV while there but didn't seriously DX until Puri which is a straight 370 mile over water path from Burma. The plan was to try to get Burma on TV, but no go. After getting back to the "USA" (as Indians call It), it is noted the the WRTVH lists Burma as having NTSC and India is PAL.

However, there was some unexpected E skip! As a guess, I think the February 22 unid was from Dubal, but the signal would have had to make its way through the hotel which was blocking the west, plus deal with a UHF antenna. Had one had rabbit ears

available, these may have been interesting openings.

The UHF yagi, 10° of cable and a connector installed cost a whopping 52 Rupees. There are 28 Rs to \$1.00. The connector looks like an F connector, except the center conductor looks like one from an RCA plug. I brought the antenna back through US Customs and nobody checked me! The tuner on the Nelco TV was pushbutton with those little V-lo/V-hi/UHF wheel adjustment things for each button. That is why I do not know channel numbers I was watching.

Jeff Kadet, Box 20, Macomb IL 61455 (W3CRH) (309-833-1809)

CST

Equipment:

ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7' dish with UA-900 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 up 18'.

March	1993	27 tr 2010 \$W63AW 63 MI 390	28 tr 0358 W22AJ 22 IL 195
		(Iron Mtn CBN)	(Waukegon TBN)
27 tr	0300 W48AP 48 OH 375	W65BN 65 MI 390	ch 45 shopping
	(Toledo VJN)	(Nashville TNN)	(Rockford ??)
	CIII22 22 ON 440	<u>W56BF</u> 56 MI 720	0516 unid ch 48z n
	(See Note # 1)	(Iron Mtn LPTV)	(See Note # 2)
	CIII41 41 ON 615	W67AO 67 MI 390	0534 eWEUX 48 WI 305
	0402 &CFMT 47 ON 615	(Iron Mtn DIS)	(See Note # 3)
	0600 &CBEFT 54 ON 415	K69BA 69 MI 390	W64AU 64 WI 245
	&CBLN 40 ON 510	(Iron Mtn WLUK-11)	(Adams w/WYCC-20)
	2010 W54AR 54 WI 380	2220 <u>K62EG</u> 62 MO <u>140</u>	(Normal WHRM-20)
	(Fence WPNE-38)	(St. Louis religion)	2000 <u>K70DR</u> 70 MN <u>280</u>
	W57BJ 57 WI 300	28 tr 0130 St. James MN Us	(Blue Earth KTTC-10)
	(Green Bay TAB)	Willmar MN Us	· Austin MN Us
	\$W59AQ 59 MI 390	@KTEJ 19 AR 315	St. James MN Us
	(Iron Mtn WGN-9)	(Super strong AN)	

Note #1 - NOT parallel to channel 41 with that incessant all night street scene

stuff. They just had a Global ID up. Note #2 - Some satellite network, possibly BET.

Note #3 - Color bars with WLAX-25 dual ID. NOT related to above unid.

Current screened dish, mast, and tower configuration have withstood two Illinois winters intact; a very good omen.

Muchas gracias to Fernado Garcia for listening to my channel 46 tape of June 17, 1992. To quote Fernando, "I'm sure indeed you got Piedras Negras. I don't catch them

often here. I'm sure they don't run much power. Nice catch from Illinois!

This may be my best TV catch ever with contenders being channels E-2 in Norway and Sweden, both confirmed by letter from photos I sent; a 95% certain Leningrad on channel R1 (never confirmed); 47 mile distant channel 14 pirate in Manito, Illinois; WLVI-56;

and 7 Colorado translators. Station total is 1307 with about 950 photographed.

One last item (let me sneak this in because there is no FM column): I dld not realize that you can FM-DX from an airplane with mindboggling results. I FM DXed on a little Casio portable with digital readout all the way from Yemen (where the plane refuelled) to Chicago. It's like DXing from atop a 20,000' tower. Zillions of hi and lo powered stations all over the dial. FM broadcast is very active in the Middle East and eastern Europe. (India, on the other hand, only had 1 FM station I heard (in New Delhi). But Bombay, appropriately named because of all the bombs that go off there, may have one too.) 73

CDT

Equipment: See May 1993 Western TV-DX

April	1993	13 t	2011	W22AJ	22 IL	145	22 tr	2219	W40AN	40	MI	95
13 tr	2011 W54BK 54 IN 205		(Wauke	egon		TBN)			(Abv	3 sn	owf	ree)
	(Chesterton LPTV)	17 ti	0605	W19BH	19 WI	145			lower	MI	LPT	√s
	W24AW 24 IN 205		(Janes	sville		TBN)	26 tr	0625	KDNL.	30	MO	430
	(Valparaiso LPTV)	18 t	1941	WCFC	38 IL	175			W54BK	54	IN	205
	W18AT 18 IN 195				38(IN)			1951	W18AT		IN	195
	(Gary LPTV)			(local				2109	WTVQ	36		470
	W25BM 25 MI 180								W42AF			
	(Berrien Springs TAB)		(Muske						n			TBN)
	W29BE 29 MI 110			W40AY				2125				430
				W40AN					Iron			
			(Escar									100
	(South Bend WCIU-26)		4	W19BA			27 tr	0721	WDKY	56		480
	W40AY 40 MI 90		(Grand			TBN)			WDRB		IN)	
	(Travrse City WGKI-33)			W69AV					WTVQ	36		470
	2032 W24AI 24 IN 190		(Leela			L- 6)			WGRB	34		515
	(Michigan City TBN)			W54BK		205	- 28 tr		lower			
	(Morse Code ID)	22 ti	1915	W54BK		205	30 tr	2152	W54AP			
	2038 W23AT 23 IL 175			W23AT		175			(See			2)
	(Chicago LPTV)				22 IL	145			W22AJ			145
	W08BW 8 WI 55			WO8BW	8 WI	55			W23AT	23	IL	175
	(Sheboygan LPTV)		0000	(See			May 4	000				
	(See Note # 1) W20AG 20 WI 55		2033				May 1 2 ms		CBFT		20	005
			2219	W40AK		110	Z ms	0003				685
	(Sheboygan TBN) (under WYCC-20)		2219	W40AY		90			(Loca			
	(under WYCC-20)			#4UAT	40 MI	90			(266	MOL	* 3	3)

Note # 1 - 04/13 € 2038 - U.A.E. program - news in Arabic. 04/22 @ 1915 - U.A.E. program - news from Belgrade, Yugoslavia. At 2100 in Yugoslav.

"Catechism Lessons" started at 2200 and continued past 2215 at which time the signal faded. The catechism lessons began on April 27 and are a nightly affair.

Note # 3 - Local WBAY-2 doesn't come on until 0620 on Sundays.

Not much DX in April. Three snow storms moving through the area didn't help

matters much. The only good thing is they produced mostly rain here.

I was listening to the local Three Angels Broadcasting Network LPTV a few nights ago and they were talking about the new stations they intended to put on the air in Lincoln, Nebraska; Champaign, Illinois; Sarasota, Florida (channel 34); Madison, Wisconsin and Battle Creek, Michigan. In addition others who owned construction permits which were planning to carry Three Angels once they came on were in Wausau. Wisconsin and Denver, Colorado. There are probably more as I turned the station on while they were discussing this stuff. 73, Bill

Fernando Garcia, Apartado 30, Suc. B, Cd. Guadalupe, N.L., 67181, Mexico

HCM

Equipment:

Sony 27EXR15, Archer V-185 and V-8 UHF array at 30', Archer 15-1108 amplifier and rotor.

February 1993	16 tr 0705 KLPBt 24 LA	20 tr 0815 Austin 354
13 tr 0835 KRIVt 26 TX	0730 KTXH 20 TX 410	7,24,36,42
0840 KETH 14 TX 410	("Paramount 20")	0820 KXAM 14 TX 392
14 tr 2110 KABB 29 TX 283	17 tr 0605 KRIV 26 TX 410	0900 \$KLTJ 22 TX 404
KWEX 41 TX 283	0610 WMPV 21 AL 845	0922 KPEJ 24 TX 460
KVDA 60 TX 283	0612 WVLA 33 LA 640	0935 KADN 15 LA 584
15 tr 2040 Houston area 410	unid ch 21 CBS	0940 WVLA 33 LA 640
14,20,22,26,45,	19 tr 1900 KXXV 25 TX 447	0950 KLPB 24 LA 584
48,67	1901 KWKT 44 TX 447	1000 KITU 34 TX 491
16 tr 0630 Houston area 410	2100 KXAM 14 TX 392	1020 unid channel 69
14,20,22,26,39,	Austin 24,36,42	(See Note # 1)
45,48,67	20 tr 0700 KSAT 12 TX 283	1220 KVHP 29 LA 522
0700 KRRT 35 TX 314	0730 KTAB 32 TX 479	1330 WLAE 32 LA 640
KABB 29 TX 283	0735 <u>K26AP</u> 26 TX <u>447</u>	1345 WNOL 38 LA 640
KVDA 60 TX 283	(Brownwood TBN)	1400 WBBHt 20 FL

NESCETTI TV DA		00116 1333
Fernando García (continued)	27 tr 0700 WPMI 15 AL 808	9 tr 2329 WDBD 40 MS 752
	0701 WMAH 19 MS 752	2332 <u>WXTX</u> 54 GA <u>1019</u>
20 tr 1500 KADN 15 LA 584		(New tr state)
WVLA 33 LA 640	March 1993	2350 \$WGBC 30 MS 827
1535 WLPB 27 LA 640	2 tr 0630 \$KVHP 29 LA 522	2356 WBHS 50 FL 1088
1540 WGNO 26 LA 640	0703 KLAXt 31 LA	10 tr 0015 <u>WJTC</u> 44 FL <u>845</u>
1550 KLTL 18 LA 522	7 tr 2205 KADN 15 LA 584	0030 WJKS 17 FL 1165
1602 KXXV 25 TX 447	8 tr 2132 KADN 15 LA 584	0035 WHOA 32 AL 948
1835 Austin 354	2150 WLPB 27 LA 640	0100 WBMG 42 AL 970
18(\$),24,36,42	2152 KLTL 18 LA 522	0108 K21DMt 21 LA
1900 KHCE 23 TX 283	2159 WVLA 33 LA 640	0120 WMPN 29 MS 752
Houston area 410	2200 \$WMAH 19 MS 752	0145 WMAO 23 MS 805
26,39,45,48	2201 WMAU 17 MS 870	0200 WNFT 47 FL 1165
unid ch 24 XEW	9 tr 0558 KADN 15 LA 584	go to bed
2130 KRTW 57 TX 416	0600 \$KVHP 29 LA 522	0509 WTXL 27 FL 1010
21 tr 0315 KADN 15 LA 584	0605 KLPB 24 LA 584	0510 WVEUt 69 GA
KLTJ 22 TX 410	0615 \$WNOLT 38 LA	(See Note # 2)
		0513 WXTX 54 GA 1019
KRIV 26 TX 410		
0710 KABB 29 TX 283	0620 WVLA 33 LA 640	0519 WSST 55 GA 1075
22 tr 0600 ELPB 18,24,27	0631 WLPB 27 LA 640	0520 WNOL 38 LA 640
Corpus LPTV 224	0645 WDBD 40 MS 752	0535 <u>WTBS</u> 17 GA 1088
22(GLA),47,	0655 KLAX 31 LA 606	0544 \$WJSP 28 GA 1019
50(VJN),55,66	0705 WHLTt 22 MS	0545 WHLT 22 MS 758
0615 <u>WHBR</u> 33 FL <u>845</u>	0710 K21DM 21 LA 584	0547 \$WMAH 19 MS 752
0628 WLOX 13 MS 758	(Lafayette VJN)	0550 WMPV 21 AL 845
New Orleans 12,	0715 K62DWt 62 LA	0600 WFTS 28 FL 1088
26,38	(Lafayette CHA)	0610 WPMI 15 AL 808
0630 KPLC 7 LA 522	2015 \$WNOL 38 LA 640	0620 <u>WFXL</u> 31 GA <u>1044</u>
0631 WMPV 21 AL 845	2018 WMPV 21 AL 845	0650 @WDAU 34 AL 910
0645 WPMI 15 AL 808	2022 WFSG 56 FL 928	0658 \$WJKS 17 FL 1165
Houston area 410	2025 WLAE 32 LA 640	0704 \$WVLA 33 LA 640
11,14,20,22,39,	2026 WFGX 35 FL 904	0708 WLPB 27 LA 640
45,48	2030 WJKS 17 FL 1165	0710 WEIQ 42 AL 845
0700 WVLA 33 LA 640	2035 \$WGNO 26 LA 640	0720 WLAE 32 LA 640
23 tr 0530 Houston area 410	2036 \$WMAH 19 MS 752	0725 WHBR 33 FL 845
14,22,26,45	2037 KADN 15 LA 584	0730 WGMB 44 LA 640
Corpus LPTV 224	2046 WEIQ 42 AL 845	2003 \$WVLA 33 LA 640
22,47,50,55,66	2047 WTWC 40 FL 1010	2100 \$WJKS 17 FL 1165
0600 KVHP 29 LA 522	2050 KITU 34 TX 491	2105 WMFE 24 FL 1165
		2106 K59DG 59 LA 640
0645 KADN 15 LA 584	2055 \$WVLA 33 LA 640.	
0655 KLTL 18 LA 522	2059 \$WLOX 13 MS 758	2200 <u>WCEU</u> 15 FL <u>1193</u> 11 tr 0140 <u>@WMFE</u> 24 FL 1165
2100 Houston area 410	2100 <u>WAWS</u> 30 FL 1165	
11,14,20,22,26,	2105 \$WSRE 23 FL 845	0145 WOFL 35 FL 1165
39,45,49	2110 KLTL 18 LA 522	0205 unid channel 18
2200 KVUE 24 TX 354	2120 WAFB 9 LA 640	0700 WVLA 33 LA 640
24 tr 0425 Houston area 410	2123 KPLC 7 LA 522	16 tr 0605 KTAB 32 TX 479
2,11,13,14,20,	2155 KLAX 31 LA 606	0645 KTXS 12 TX 485
22,39,45	2157 WHBR 33 FL 845	17 tr 0610 KXXV 25 TX 447
0430 KABB 29 TX 283	2200 K59DG 59 LA 640	0650 \$KVHP 29 LA 522
0700 WVLA 33 LA 640	(New Orleans TBN)	0652 KITU 34 TX 491
26 tr 0701 KXLN 45 TX 373	2205 \$WXXV 25 MS 740	18 tr 0558 KPLC 7 LA 522
1900 Houston area 410	2206 \$WHLT 22 MS 758	0600 WVLA 33 LA 640
11,13,14,20,	2208 <u>W39AT</u> 39 LA <u>640</u>	0605 WNOLt 38 LA
22\$,39,45,48	(Baton Rouge LPTV)	0610 WMAH 19 MS 752
1901 KARD 14 LA 660	2220 WCOV 20 AL 948	0620 KLPB 24 LA 584
1905 WPMI 15 AL 808	2223 WGMB 44 LA 640	0625 KADNt 15 LA
1910 WMPV 21 AL 845	2226 K56DR 56 LA 640	1855 KLPB 24 LA 584
1912 WMAH 19 MS 752	(Baton Rouge TBN)	19 tr 0555 KPLC 7 LA 522
1915 WNOL 38 LA 640	2228 WIIQ 41 AL 870	24 Es 1845 unid ch 2 se
1918 \$WVLA 33 LA 640	2243 WGIQ 43 AL 979	25 tr 0655 KXXV 25 TX 447
1935 WXXV 25 MS 740	2248 WYES 12 LA 640	26 tr 0600 KXXV 25 TX 447
1940 KLPB 24 LA 584	2255 WPMI 15 AL 808	2050 WVLA 33 LA 640
	2256 WMAW 14 MS 827	2055 KADN 15 LA 584
2020 unid 15 TEL ne		2100 KLPB 24 LA 584
27 tr 0320 San Antonio 283		
4,5,12,29	2306 WAPT 16 MS 752	
0322 KWKT 44 TX 447	2315 W46AV 46 MS 777	2112 WLAE 32 LA 640
0325 Houston area 410	(Pascagoula TBN)	2115 KITU 34 TX 491
2,8,13,14,20,	2320 W29BHt 29 MS	30 tr 0610 unids 7, 12 SS
22,26,39,45	(Biloxi TBN)	0625 XHDH 11 YN 780

```
1 tr 2100 XHDH 11 YN 780
                                                         6 tr 0618 KVHP
                                                                          29 LA
                                                                                522
Fernando Garcia (continued)
                                            9 YN 780
                                                              0640 WVLA
                                                                          33 LA
                                                                                640
                                       XHTP
                                  2105
31 tr 2215 XHDH 11 YN 780
                                      XHDH 11 YN 780
                                                              0650 KADN
                                                                          15 LA
                                                                                584
                             2 tr 0620
                                                                                584
     2235 XHSTt 13 YN
                                  2040
                                       unid ch 13 Cuba
                                                              0651 KLPB 24 LA
                                            25 TX
                                                   447
                             6 tr 0610
                                       KXXV
                                  0615
                                       KITU
                                             34 TX
                                                   491
April 1993
1 tr 2050 XHST 13 YN 780
                                  0617
                                       KLAX
                                             31 LA
                                                   606
```

Note # 1 - CBS, logo for channel 5. Note # 2 - Morning Business, suspect Atlanta.

Houston, San Antonio, Corpus Christi, and Austin too often. I will not report them in the future.

Jeff Kruszka, 7706-M N Jefferson Place Cir, Baton Rouge LA 70809 (504-923-0196) CST/CDT

Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #\$1318\$). UHF: RDX Labs UA-900 preamp, Channel Master 4228A 8-bay @30 ft. VHF: Rabbit ears + quad loops for chs. 2 and 5. Mitsubishi HS-U31 VCR.

```
11 tr 0652 WTJP
                                                                                     390
                              26 tr 0600
                                          KOKH 25 OK
                                                      215
                                                                              60 AL
March 1993
           KTXH 20 TX
                                                                              11 FL
 8 tr 2314
                        255
                                    0610 KXAN
                                               36 TX
                                                      545
                                                                  2033 WFSU
                                                                                     405
                                         KVUE 24 TX
                                                                   2150
                                                                         WTLH
                                                                              49 GA
                                                                                     390
     2325 WCJB 20 FL
                        525
                                    0622
                                                       545
                                                                               31 GA
                 16 TX 425
                                    0629
                                          KJTL
                                               18 TX
                                                       285
                                                                  2300
                                                                        WFXL
                                                                                     415
 9 tr 0000 = KEDT
                                                                              62 FL
                                                                   2318 @WBSV
                                                                                      575
     0007 WFTS
                 28 FL
                       550
                                    0645
                                          KETA
                                               13 OK
                                                       215
                                          KTLC
                                                                               27 FL
                 22 TX 235
                                    0654
                                               43 OK
                                                       215
                                                                   2331
                                                                         WTXL
                                                                                      405
     0022
           KLTJ
     0552 ●KHCE
                 23 TX
                        445
                                    0700
                                          KCIT
                                                14 TX
                                                                         KLDO
                                                                               27
                                                                                  TX
                                                                                      540
                                                                   2350
                                                                              40 FL
                                                                                      405
     0553
           KRIV
                 26 TX
                        255
                                    0707
                                          KOCB
                                                34 OK
                                                       215
                                                                         WTWC
                 41 TX
                                                             12 tr 0007
                                                                         WJHG
                                                                               7 FL
                                                                                      325
     0558
           KWEX
                        445
           KVUE
                 24 TX
                       395
                             From Baton Rouge:
                                                                  0015
                                                                         WBSG
                                                                               21 GA
                                                                                      570
     0601
            KXXV
                 25 TX
                       360
                             29 tr 0002 WFTS 28 FL 550
                                                                   0028
                                                                         WKCF
                                                                              18 FL
                                                                                      575
                                                                              17 FL
     0604
           KTMD
                 48 TX
                       235
                                                                   0032
                                                                         WJKS
                                                                                      560
                 49 TX 260
           KTFH
                              April 1993
                                                                  0103
                                                                         WNFT
                                                                               47 FL
                                                                                      560
                       550
           WBHS
                 50 FL
                              11 tr 0047
                                          unid 11 Spanish
                                                                   0442
                                                                        WTMV
                                                                               32 FL
                                                                                      575
                                                                               33 TX
     0608
           KHSH
                 67 TX
                        260
                                          ( See Note # 2 )
                                                                        eKDAF
                                                                                      365
                 11 TX
                                    0117
                                          KFXK 51 TX 255
                                                                 0443
                                                                         WHBR
                                                                              33 FL
                                                                                      230
     0610
           KHOU
                        255
                 36 TX 395
                                    0143 KVEO 23 TX 500
     0614
                                                                  0458
                                                                         WDHN
                                                                              18 AL
                                                                                      340
           KXAN
     0646
           KRRT
                 35 TX 475
                                    0147 unid 28 Spanish
                                                                  0500
                                                                         WAWS
                                                                               30 FL
                                                                                      560
                                                                                      540
     0650 KHSX
                49 TX 375
                                          ( See Note # 3 )
                                                                  0502
                                                                         WTTA
                                                                               38 FL
                                   0213 K55FV 55 TX 255
                                                                         WLTZ
                                                                               38 GA
                                                                                      390
           K50AO 50 TX 425
      (Corpus Christi VJN)
                                    (Houston
                                              ValuVision)
                                                                  0511
                                                                         WUSF
                                                                               16 FL
                                                                                      550
                                    0215 KRTW 57 TX 235
                                                                  0523
                                                                         WBHS
                                                                               50 FL
                                                                                      550
     0700
           KDTX 58 TX
                        365
                                    0221 =KVUE 24 TX
                                                                               12 FL
                 30 FL
                                                      395
                                                                  0545
           WSEP
                        620
                                                                         WTLV
                                                                                      560
                 14 TX
                                          KXAN 36 TX 395
                                                                  0552
                                                                         WXTX
                                                                               54 GA
                                                                                      360
     2019
           KETH
                        255
    · 2101
           KRTW
                 57 TX
                                   0234
                                          KRRT 35 TX
                                                      475
                                                                  0559
                                                                         WSST
                                                                               55 GA
                                                                                      445
                        235
                                                                               4 FL
            ( See Note # 1 )
                                   0239 KABB 29 TX
                                                      445
                                                                  0645
                                                                         WJXT
                                                                                      560
                                                                  2003
                                                                               18 FL
                                                                                     575
           KMBH 60 TX 495
                                   0244 KETK 56 TX 265
                                                                         WKCE
     2102
     2109 XHAB 7 TA 505
2157 K47DF 47 TX 425
                                          (o/local K56DR )
                                                                   2054
                                                                         WJKS
                                                                               17 FL
                                                                                      560
                                   0315
                                         KMSS 33 LA 210
                                                                   2142
                                                                         WCJB
                                                                               20 FL
      (Corpus Christi LPTV)
                                   0418 @WHOA
                                                32 AL
                                                       315
                                                                   2157
                                                                         KWEX
                                                                              41 TX
                                                                                     445
                 6 TX 425
     2211 KRIS
                                   0422 WCOV
                                               20 AL
                                                       315
                                                                         KVDA
                                                                              60 TX
                                                                                     445
                 48 TX 525
     2219
           KNVO
                                   0434 @KSAT 12 TX 445
                                                            13 tr 0526 @KLRT
                                                                              16 AR
                                                                                     305
                                   0500 KDFI 27 TX 365
     2233 WFGX
                 35 FL 265
                                                                  0529
                                                                         WBMG
                                                                              42 AL
                                                                              14 GA
     2257 KLRU
                 18 TX 395
                                   0516 K17BYt 17 TX
                                                                         WABW
                                                                                      420
                                                  GLA)
                                                                  0545
                                                                         WACS
                                                                               25 GA
                                                                                      405
     2315 KHTV
                 39 TX <u>255</u>
                                   (San Antonio
                 60 TX 445
3 TX 310
23 TX 500
                                                                   0558
                                                                         KVTN
                                                                               25 AR
                                                                                      270
     2324
           KVDA
                                          (ECO nx to west)
      2327
                                    0524 KHSX 49 TX 375
                                                                  0607
                                                                         WOGX
                                                                               51 FL
                                                                                      545
           KBTX
                                                                               55 GA
                                          K50AO 50 TX
                                                                                      445
                                                      425
                                                                         WSST
     2347
           KVEO
                 42 AL
                                   0529 KXXV 25 TX
                                                      360
                                                                  0617
                                                                         WCBI
                                                                               4 MS
                                                                                      425
10 tr 0559
           WBMG
                        335
                                   0537 KASN 38 AR
                                                                               15 MS
                                                                                      210
     0600
           WTJP
                 60 AL 390
                                                      270
                                                                  0625
                                                                         WXVT
                                                                               6 GA
                                                                                      425
     0605
           WABM
                 68 AL 335
                                   0550 @WSRE 23 FL
                                                      230
                                                                  0640
                                                                         WCTV
                 21 AL
                                   0553 KWEX
                                               41 TX
                                                      445
                                                                  2026
                                                                               36 FL
                                                                                     620
     0607
           WTTO
                        335
                                                                         WFTX
                 24 TX 395
                                    0557 +WMAO 23 MS
                                                       220
                                                                   2029
                                                                               20 FL
                                                                                      620
           KVUF
                                                                         WBBH
                                                                               62 FL
                                                                                      575
           WJSU
                 40 AL
                        385
                                    0559 +KORO
                                                28 TX
                                                       425
                                                                   2032
                                                                         WBSV
                                                                               50 FL
                                                                                      550
                                    0602 KGBT
                                                4 TX
                                                       495
                                                                         WBHS
                                                                  2145
                                                                               17 FL
                                                                                      560
                                                                         WJKS
From Dodge City KS:
                                          (Floating o/WWL)
(w/Watchman on 2nd floor)
                                                                              18 FL
                                                                                      575
                                  0614 eKBVO 42 TX 395
                                                                  2233
                                                                        WKCF
26 tr 0600 KWTV 9 OK 215
                                  0630 +KUHT
                                               8 TX
                                                                 2246 WFSG
                                                                               56 FL
                                                      255
```

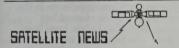
Jeff Kruszka (continued)		90 24 tr 0601 WVTM 13 AL 335
		05 0603 WTJP 60 AL 390
13 tr 2317 WTXL 27 FL 405	(// 14, 28)	0646 <u>WSFA</u> 12 AL <u>315</u>
2354 WMCF 45 AL 315	0520 WLTZ 38 GA 3	90 0700 WMGT 41 GA 470
14 tr 0033 WCOV 20 AL 315		60 27 tr 2100 WNTZ 48 MS 80
0040 KVTN 25 AR 270	0527 WCES 20 GA 5	45 (See Note # 4)
0116 WXTX 54 GA 360	0544 WTXL 27 FL 4	05 28 tr 0640 KTRK 13 TX 255
23 tr 2315 WMBB 13 FL 32	0550 WBMG 42 AL 3	35
24 tr 0454 @WARW 14 GA 420	0556 WTTO 21 AL 3	35

Note # 1 - Now we finally know this station exists! They ID'ed as "KRTW TV-57 Baytown/Houston," and they had religious programming. They must have limited hours, because I saw them go off at 2131 with no formal signoff. There have also been days when I've had Houston in strong, and they're nonexistent; so maybe they only run when they have money.

Note # 2 - In good for a 1/2 hour in color. "TV-13 Noticias" seen, no IDs. Note # 3 - I saw this one in New Orleans,too. I don't think it's KORO and here's why: They did not show a "KORO" ID on the hour, just a "brushed" 28 diagonally across the screen. And, they signed off @0200 with what was not the US national anthem, probably the Mexican anthem (I did see KORO signon @0559 with the US anthem and a full ID).

First noticed this this morning. ID as "Fox 48 WNTZ Natchez/Alexandria" with Fox programming. They're not very strong here, it took a tropo enhancement (200 mi) to see them. I wonder what will happen to K47DW, Alexandria (was also Fox)? I haven't seen them here yet.

Wow!! Not bad for my first 2 months here. My log's already up to 160 - at this rate, and with a good Es season, I should surpass my New Orleans log in no time.



→ CONTINUED FROM PAGE 17

- Gorizont 15 - ???? - Gorizont 12 - ???? (C and Ku) (C and Ku) (C and Ku) 11 W - France Telecom -??

This Telecom satellite is as far E as I can go. I'm near the horizon and trees and buildings prevent any reception beyond this point- though' without these barriers I might be able to get to O. On the West coast reception beyond 139 is possible - you have to go close to 180 to get an Intelsat, though a couple of DBS sats for US use may be going up in that area in the future. Remember the original Alascom - Aurora 1 was at 143W and was viewable on its US beam here. That all for now - see you in 30.



PUBLISHER'S NOTES:

ACKNOWLEDGMENTS: A big thanks to Tom Bryant for cover material used on the March and May issues; thanks also to Dave Nieman for the coverage map on the April VUD, and to Mike Sanburn for this month's cover. and thanks also to to Dave Marshall and Robert Twomey for additional material used on recent VUD covers.

--Bill Thompson

WHY A PARABOLIC DISH IS BEST FOR SERIOUS UHF TV DX'ING

by Mark McCarthy

To most of the TV DX enthusiasts in WTFDA, "UHF" means television channels 14 to 69, situated from 470 to 806 MHz. Design engineers will often tell you that this is an inordinately large chunk of RF spectrum to cope with in a single tuner, preamplifier, or antenna. Good reception at UHF as always been elusive to the public, and hasn't really been helped too much by the FCC's rather feeble attempts to foster it. All things being equal, UHF always has the disadvantage of higher signal path attenuation, higher transmission line loss, higher tuner noise figure, and so forth. But there's something about UHF that helps make up for all those supposed "shortcomings," and that's the great variety of antenna designs available to the reception enthusiast. This is due to the shorter wavelengths of UHF. These shorter length waves make it possible for the enthusiast to own an extremely high perfomance antenna, the parabolic dish. I'm talking about the 5, 6, and 7 foot models made by Antennacraft and Channel Master, popular--with very good reason--among WTFDA's TV DX'ers

It's just not practical to have an effective rotable parabolic dish antenna for the VHF TV/FM spectrum, but by the time you get up to about 500 MHz or so, a parabolic as small as 5 to 6 feet starts to give you the kind of results you can only dream about at VHF, such as forward gain in excess of $12~\mathrm{dB}$ and a front-to-back ratio over $20~\mathrm{dB}$, as well as razor-sharp signal nulls.

Many TV DXers start off using stacked-bay bowties, either 2-bay, 4-bay (the most commonplace), 8-bay, the rarely seen 12 bay (it enjoyed some popularity in the late 50's-along with the Ford Edsel) and the "deluxe" version of the stacked bay array, the 16-bay, which can offer slightly more gain at the low end of the band than some parabolic dishes. There are those of you out there who I know are using stacked-bay bowtie arrays for DXing, but this antenna is just NOT for the serious DXer. It will do in a pinch and I suppose it may even fit into a small closet or a tight crawlspace, but I'll take even a 4 or 5 foot dish over a stacked-bay antenna anyday, in any opening. A good 4-bay bowtie does have probably more gain per dollar than any other antenna; the ones I've tried have very full gain curves and high front-to-back ratios across most of the ch 14 to 69 spectrum, but no stacked bay will ever give you the "laser-like" beamwidth—as well as the highest average gain—of a parabolic dish for UHF.

In terms of sheer foward gain, you would need to constuct a 16-bay bowtie array to approximate the performance of a 7-foot UHF dish. Even then, you would not see the kind of deep nulls possible with a dish, and these area the kind of nulls that make successful UHF translator and LPTV DXing possible. Our friends up in New York and Pennsylvania are able to rotate their dishes 360 degrees and see several stations per channel above channel 50 in a "hot" trops session, each separable. Dozens of different signals can be logged in during just one opening! Trying same with a stacked-bay array gets you nothing but a lot of co-channel interference--like E Skip on UHF. This is exactly why you'll always find the serious UHF TV DXer using a parabolic dish, along with a mast-mounted low noise preamp and low loss feedline (75-ohm hardline is an absolute necessity for long runs here — standard coaxial cable won't do.

Most other types of UHF TV antennas probably aren't really worthy of consideration for serious DXing. The corner-reflector yagi, for example, is notorious for having narrow bandwidth and rapid gain rolloff—although often has quite presentable forward gain in the middle of its design range, which is often not much more than 15 channels wide. They are certainly much easier to rotate than a dish, cheaper, and lighter too—but you won't catch me using one for DX reception! If you are serious about the UHF TV DX game, use a parabolic dish. You'll pile up more new stations than you can keep track of, and you'll do it in fairly short order. The next time the band opens out to 900 miles, a dish can make the difference between identifying stations and guessing at anonymous "frame bar" trace signals.

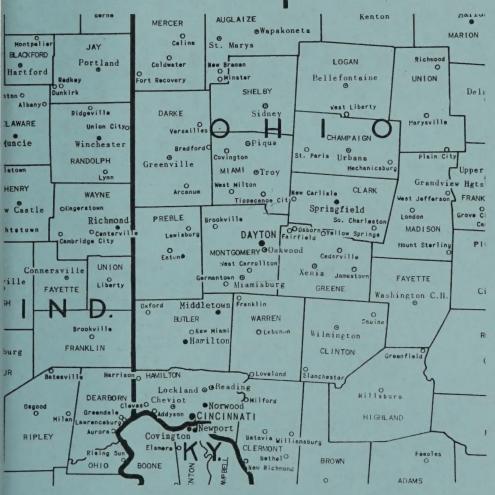


WLW-D COVERAGE AREA

CHANNEL 2 DAYTON 9, OHIO

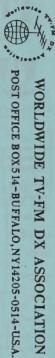
TELEVISION SERVICE OF THE NATION'S STATION

This coverage map is based on FCC' definitions of Grade "A" and "B" service.



Crosley Broadcasting Corporation

140 WEST NINTH STREET . CINCINNATI 2, OHIO



WORLDWIDE TV-FM DX ASSOCIATION

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